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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,250	10/17/2005	Hiroshi Kase	00005.001217.PC	6976
	7590 10/18/200 CCELLA HARPER &	EXAMINER		
30 ROCKEFEL		CLAYTOR, DEIRDRE RENEE		
NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
			1617	
			MAIL DATE	DELIVERY MODE
			10/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
		10/553,250	KASE ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Renee Claytor	1617			
Period fo	The MAILING DATE of this communication appor	pears on the cover sheet wit	h the correspondence address			
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING DISTRICT OF THE MAILIN	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re will apply and will expire SIX (6) MONT e, cause the application to become ABA	CATION. ply be timely filed ITHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>07 A</u>	<u>ugust 2007</u> .				
2a) <u></u>	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.			
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 20-25,31,69 and 70 is/are pending in 4a) Of the above claim(s) 22,25,31,69 and 70 is/are allowed. Claim(s) is/are allowed. Claim(s) 20,21,23 and 24 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	is/are withdrawn from cons	deration.			
Applicat	ion Papers		·			
9)[The specification is objected to by the Examine	er.				
10)	The drawing(s) filed on is/are: a) acc	epted or b) objected to be	y the Examiner.			
	Applicant may not request that any objection to the		• •			
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	- · · · · · · · · · · · · · · · · · · ·				
Priority	under 35 U.S.C. § 119					
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Aprity documents have been u (PCT Rule 17.2(a)).	oplication No received in this National Stage			
Attachmer	nt(s)					
	ce of References Cited (PTO-892)		ummary (PTO-413))/Mail Date			
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date		formal Patent Application			

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DETAILED ACTION

Applicant's response on 8/7/2007 is acknowledged. Applicants have cancelled claims 1-2, 7-19, 26-30 and 32-38 and added new claims 69-70.

Applicants argue that the priority date of the Grzelak (US Pg-Pub 2006/0128694) reference does not go back to 2002 because (E)-8-(3,4-dimethoxystyryl)-1,3-dietyl-7-methylxanthine was not disclosed in any of the priority documents. The Examiner agrees with this assertion and the rejection over Grzelak reference is hereby withdrawn. Applicants further argue that Matsuoka does not teach the use of A_{2A} antagonists for treating anxiety but only teaches using dual A₁A_{2A} antagonists to treat Parkinson's disease. Though the compounds of the invention are described as A₁A_{2A} antagonists, the compound of Formula III has overlapping groups with that of the present invention and therefore reads on compounds with the same core structure. In addition, Matsuoka teaches that the compounds are used to treat symptoms of Parkinson's disease, which include anxiety. Therefore, Matsuoka teaches the use of compounds of the same base structure and overlapping groups in treating such disorders as anxiety.

The following new grounds of rejection are being given below.

Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 20-21 and 23-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hirani et al. (Synapse 42:164-176, 2001) in view of Matsuoka (EP 1 177 797).

Hirani et al. teach A_{2a} antagonists corresponding to formula (I), including the elected species, of the present application. Hirani et al. exemplify (E)-8-(3,4-dimethoxystyryl)-1,3-diethyl-7-methylxanthine in Figure 1 and teach it as an A2A antagonist (page 165, last paragraph in Introduction). It is taught that this compound is investigated as an antiparkinsonian agent (page 165, last paragraph in Introduction).

Hirani et al. does not specify that the A_{2a} antagonists treat anxiety.

Matsuoka et al teach A_1/A_{2a} antagonists of the same basic core structure as formula (I) of the present claims and overlapping groups as with formula (I) of the present claims (see page 16, formula III). Matsuoka et al. further teach that the A_1/A_{2a} antagonists are used to treat symptoms of Parkinson's disease, including anxiety (paragraph 0007).

Accordingly, one would be motivated to combine the teachings of Hirani et al., which teach that (E)-8-(3,4-dimethoxystyryl)-1,3-diethyl-7-methylxanthine is an A_{2a} antagonist that treats Parkinsonian symptoms, with the teachings of Matsuoka et al. which teach that A_1/A_{2a} antagonists with the same core structure of the present claims, is useful in treating anxiety in Parkinson's patients. Because the patient population overlaps in that both sets of patients in the prior art references have similar Parkinson's extrapyrimadal effects, and a symptom of Parkinson's disease includes anxiety as taught by Matsuoka et al., one would be motivated to use (E)-8-(3,4-dimethoxystyryl)-

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1,3-diethyl-7-methylxanthine to treat anxiety because Hirani et al teaches this compound as a treatment for symptoms of Parkinson's.

Conclusion

No claims are allowed.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Renee Claytor whose telephone number is 571-272-8394. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Renee Claytor

SPEENI PADMANABHAN SUPERVISORY PATENT EXAMINER